

ABSTRACT

5 A method and apparatus of correcting blur in a motion blurred
image includes estimating the direction of blur in the motion blurred image
based on edge response of the motion blurred image over a set of discrete
directions and over subgroups of the discrete directions. The extent of blur in
the motion blurred image is also estimated. An initial guess image based on
10 the motion blurred image is generated and the guess image is blurred as a
function of the estimated blur direction and blur extent. The blurred guess
image is compared with the motion blurred image to generate an error image.
The error image is blurred and weighted and then combined with the initial
guess image thereby to update the guess image and correct for blur.